

In situ hybridization

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 An abbreviated version of this protocol was published in eLIFE in Dec 2019

Opioids modulate an emergent rhythmogenic process to depress breathing

DOI: 10.7554/eLife.50613

Detailed protocol

Thank you Carolina for your message,

Here are the catalog numbers for the probes used.

Mm-Tac1 Cat No. 410351, Mm-Chat Cat No. 408731, Mm-Oprm1 Cat No. 315841

I noticed that in the quote I have, the Chat number is different (#410071, but I check with ACD, and they confirmed both are for the same probe).

You will have no issues adding a 3rd probe either with regular or v2 Assay. I used the protocol for fresh frozen tissues, and the user manual is available at:

<https://acdbio.com/documents/product-documents>

Don't hesitate to contact me if needed. I recently moved to Canada!

Carolina Thörn Perez

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Kam, K. and Thörn Perez, C. (2021). In situ hybridization. Bio-protocol Preprint. bio-protocol.org/prep999.
2. Sun, X., Thörn Pérez, C., Halemani D, N., Shao, X. M., Greenwood, M., Heath, S., Feldman, J. L. and Kam, K. (2019). Opioids modulate an emergent rhythmogenic process to depress breathing. eLIFE. DOI: [10.7554/eLife.50613](https://doi.org/10.7554/eLife.50613)

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